

HAWKER SIDDELEY 125 F400B

The HAWKER SIDDELEY 125 is a twinjet mid-size business jet. Originally developed by de Havilland and initially designated as the DH.125 Jet Dragon, it entered production as the Hawker Siddeley HS.125, which was the designation used until 1977. Later on, more recent variants of the type were marketed as the Hawker 800. The HAWKER SIDDELEY 125 is a low-winged monoplane, powered by two engines mounted on the rear fuselage. It features a slightly swept wing, being based upon the larger de Havilland Comet's wing plan form, and employs large slotted flaps and airbrakes to better enable operations from small airfields, the aircraft can be flown from hardened grass airstrips. The type has a perfectly cylindrical fuselage with the one-piece wing mounted upon the underside of the fuselage; this design allows for the majority of manufacturing and assembly work of the wing and fuselage to be performed as separate sections with the two being joined together late in the production process. The wing also houses integral fuel tanks which contain the majority of the aircraft's fuel.



SPECIFICATIONS:

- Crew: 2
- Capacity: 8 passengers (normal layout) ; 14 passengers in high density layout
- Length: 50 ft 6 in (15.39 m)
- Wingspan: 47 ft 0 in (14.33 m)

- Height: 17 ft 3 in (5.26 m)
- Wing area: 353 sq ft (32.8 m²)
- Aspect ratio: 6.25
- Empty weight: 6167.73 kgs
- Maximum zero-fuel weight: 14,700 lb (6668 kg)
- Max Taxiing weight: 23,800 lb (10795 kg)
- Max takeoff weight: 23,600 lb (10,705 kg)
- Maximum landing weight: 20,000 lb (9071 kg)
- Fuel capacity: 1,181 imp gal (1,418 US gal; 5,369 l) usable fuel
- Powerplant: 2 × Rolls-Royce Viper 601-22 turbojet engines, 3,750 lbf (16.7 kN) thrust each

PERFORMANCE:

- Maximum speed: 522 mph (454 knot, 840 kn/h) at 28,000 ft(8500 m)(Max cruise)
- Cruise speed: 464 mph (403 knot,747 kn/h) at 39,000 ft(11,900 m) (Economic Cruise)
- Stall speed: 96 mph (83 knots, 155 km/h) (flaps down)
- Range: 1,796 mi (1,560 nmi, 2,891 km) max fuel and payload
- Service ceiling: 41,000 ft(12,500 m)
- Rate of climb: 4,900 ft/min (24.9 m/s)